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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/728,893

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Akihiro Miyamoto

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7590

05/13/2005

STAAS & HALSEY LLP

SUITE 700

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EXAMINER

UNDERWOOD, DONALD W

ART UNIT

PAPER NUMBER

3652

DATE MAILED: 05/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/728,893

Applicant(s)

MIYAMOTO, AKIHIRO

Examiner

Donald Underwood

Art Unit

3652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04/27/05 (voice message).
2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
4a) Of the above claim(s) none is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1, 4-6 and 9 is/are rejected.
7) ☒ Claim(s) 2, 3, 7 and 8 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 030305.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____

Supplemental Rejection

1. Receipt of applicant's representative's phone message of April 27, 2005 is acknowledged. This message set forth that claims 5-9 had been amended by a preliminary amendment which the Office action mailed 01/28/05 overlooked and requested an action on these amended claims. The following action honors this request.
2. It is noted that 4/2 and 4/3 in paragraph 6 of the Office action mailed 01/28/05 should have been 5/2 and 5/3.
3. The objection to the drawing set forth in paragraph 1 of the Office action mailed 01/28/05 is herein repeated.
4. In the specification, it appears "Verneuil" used throughout the detailed description should be changed to --Bernouli--. Also it appears "chucked" in line 26 of paragraph 0021 should be changed to --raised-- since the chucking is done in step 6 by nozzles 30. Finally, "plate-shaped member 20" in line 19 of paragraph 0025 should be --adhesion area 24--.
5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
6. Claim 9 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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The instant claim is unclear since it is an independent claim but incorporates structure by referencing claim 1. Claim 9 should be rewritten to stand alone since it is an independent claim.

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 1, 4, 5 and 6 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by either Correnti et al or Buchmann et al.

Regarding claim 4, the recitation of a chucking plate does not define over the structure in either reference comprising the vacuum nozzles.

Regarding claim 6, note element 42 in Correnti and edge 24 in Buchmann. The edge in Buchmann creates a boundary for layer 22.

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Correnti in view of Kassir.

Correnti teaches using a Bernouli, then a vacuum and then turning off Bernouli.

Kassir teaches lowering pickup, then using a vacuum and then lifting.

The claim uses Bernouli, then lifting and then a vacuum.

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Since the vacuum would have to be activated before or after the lifting, it would have been obvious to lower the pickup in Correnti as taught by Kassir, then activate Bernouli and then either vacuum and lift or lift and vacuum since these are the only two choices and one is the obvious reversal of the other.

11. Claims 2, 3, 7 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

12. Any inquiry concerning this communication should be directed to D. Underwood at telephone number 571-272-6933.

Underwood/vs
May 9, 2005

Ronald W. Underwood 05/12/05
RONALD W. UNDERWOOD
PRIMARY EXAMINER